AMENDMENTS TO THE CLAIMS

1.   (currently amended) A procedure for processing data objects with:

a data space, in which data objects are arranged;

a multi-dimensional information space that has at least two virtual dimensions and preferably also at least one third virtual dimension;

whereby said information space has in at least one dimension a large amount of discrete memory locations suitable to represent information objects;

whereby each of said information objects represent at least one information base-object and whereby each information base-object comprises at least the following properties:

at least one pointer data that is characteristic for the position of at least one data object in the data space; and

at least one property data for at least one virtual dimension of said information space;

wherein at least one set of instructions is provided with at least one instruction for the processing of said data object; ~~and~~

wherein at least one computing device controlled by at least one processor is provided, with which said information object in said information space is identifiable, and by which the processing of said data object in accordance with said instruction set can be caused;

wherein said procedure can be influenced by transferring at least one control vector comprising at least one address vector, whereby said address vector is characteristic for a position of one instruction set; and

wherein, upon transfer of a control vector and a pointer data, the following procedural steps are executed for the creation of an information object:

a)   Separating said control vector into at least one address vector and one instruction vector in a separating device;

b)   Call-up of an instruction set characterized by said instruction vector;

c)   Derivation of a property vector for a data object with said processor device;

d)   Generation of an information object from said pointer data and said property vector with said processor device; and

e)   Saving said information object in said information space.

2.   (previously presented)The procedure according to claim 1, wherein,

at least one virtual dimension is hierarchically structured, whereby a position of an information object within the hierarchy is preferably defined by said property data of said information object.

3.   (previously presented)The procedure according to claim 1, wherein

said information base object has at least one property data for substantially every virtual dimension, whereby for several virtual dimensions said property data can be represented as a property vector.

4.   (previously presented)The procedure according to claim 1, wherein

said instruction set, of which there is at least one, is taken from a group of instruction sets, which comprise base, organization, request, creation, modification, searching, playback, representation, printing, generating, execution, control, interaction, calculation, evaluation, regulation, play instruction sets.

5.   (canceled)

6.   (currently amended)   The procedure according to claim 5̶1, wherein

said control vector comprises at least one instruction vector that is characteristic for at least one predefined instruction set.

7.   (currently amended) The procedure according to claim 5̶1, wherein

said control vector comprises at least one property vector, which characterizes at least one part of said information space.

8.   (canceled)

9.   (previously presented)The procedure according to claim 1, wherein

upon transfer of a control vector and a data object the following procedural steps are executed for the creation of an information object:

a)   Separating said control vector into at least an address vector and at least an instruction vector in a separating device;

b)   Call-up of an instruction set that is characterized by said instruction vector;

        c)   Derivation of a property vector for said data object with said processor device;

        d)   Saving said data object in said data space and derivation of a pointer data;

        e)   Generation of an information object from said pointer and said property vector with said processor device;

        e)   Saving said information object in said information space.

10.   (previously presented) The procedure according to claim 1, wherein

upon transfer of a control vector the following procedural steps are executed for locating an information object

        a)   Separating said control vector into at least an address vector, at least an instruction vector and at least a property vector in a separating device;

        b)   Generation of a processing vector with predefined property data for substantially every virtual dimension in said processor device;

        c)   Separating said property vector in said processor device into said property data for said virtual dimensions, contained in said property vector, and overwriting said property data of said processing vector with said the property data of said property vector;

        d)   Generation of an empty result list;

        e)   Execution of a search for information objects in said information space, which substantially have corresponding property vectors by comparing for substantially every virtual dimension said property data with said property data in said processing vector;

        f)   Addition of a reference to an information object to said result list, if substantially all said property data substantially correspond;

        f)   Generation and output of a result file substantially containing all elements of said result list.

11.   (previously presented) The procedure according to claim 1, wherein

said procedure is executed on a first computing device, whereby a user can control said process from a second computing device that is connected with said first computing device via at least one data connection.

12. (previously presented)The procedure according to claim 1, wherein

said information space contains at least one virtual type dimension, whereby at least one type data about a type of corresponding data object is contained in said virtual type dimension for substantially every information object.

13. (previously presented)The procedure according to claim 1, wherein

for at least one information object at least one type data is derived from said pointer data of said data object, whereby in a separating device said pointer data of said data object is separated into name elements and said at least one type data is derived from at least one characteristic name element.

14. (previously presented)The procedure according to claim 1, wherein

for at least one information object at least one type data is derived from at least one part of the contents of said data object, whereby in said separating device at least a part of said contents of said data object is separated into content elements and said at least one type data is derived from at least one characteristic content element.

15. (previously presented)The procedure according to claim 1, wherein

at least one information object contains at least one further object data taken from a group of object data, which contains at least one data of time, generation, time interval, validity, frequency, owner, group, access right, read right, write right, modification right, execution data.

16. (previously presented)The procedure according to claim 1, wherein

said object type of said data object is taken from a group of object types containing various known data formats types of text files, picture files, graphic files, spreadsheet files, CAD files, program files, audio files, video files.

17. (previously presented)The procedure according to claim 1, wherein

for at least one information object at least one description field is provided that is accessible via said information object, whereby said description field serves for receiving at least one characterizing data of said information object.

18. (previously presented)The procedure according to claim 1, wherein

an information object can have at least one connection to at least one further information object, thus enabling a navigation between connected information objects.

19. (previously presented)The procedure according to claim 1, wherein

for at least one information object, a content of at least one description field of said information object is separated in a separating device into at least one characteristic data, and at least one characteristic content data is defined.

20. (previously presented) The procedure according to claim 1, wherein

at least one first characteristic content data of an information object is compared, in a comparison device, with at least one second characteristic content data of at least one other information object, whereby on match of said first and second characteristic content data a connection of said information object to said other information object is generated.

21. (previously presented) The procedure according to claim 1, wherein

at least one virtual connection space is provided with at least two connection dimensions containing discrete memory locations, whereby said memory locations are created in such a way that said memory locations contain at least one connection data for characterizing at least unidirectional relationships between different information objects.

22. (previously presented) The procedure according to claim 21, wherein

said at least one virtual connection space has at least a two-dimensional connection table, whereby within at least one part of the rows, every row represents a different information object, and whereby, within at least one part of said columns, every column represents a different information object.

23. (previously presented) The procedure according to claim 1, wherein

upon transfer of a control vector said following procedural steps for navigation in said information system are executed:

    a) Separating said control vector into at least an address vector and at least an instruction vector in a separating device;

    b) Derivation of a property vector from said control vector;

    c) Generation of a processing vector with predefined property data for substantially every virtual dimension in said processor device;

    d) Separating of said property vector in said processor device into said property data for said virtual dimensions, contained in said property vector, and overwriting said property data of said processing vector with said property data of said property vector;

    e) Generation of an empty search list;

f)   Execution of a search for information objects in said information space, which substantially have corresponding property vectors, in which for substantially every virtual dimension said property data are compared to said property data in said processing vector;

g)   Addition of a reference to an information object to said search list, if substantially all said property data substantially match;

h)   Generation of an empty result list;

i)   Execution of a search for substantially every element of said search list according to information objects in said connection space, which is connected with said information object, that is represented by said element, in at least a unidirectional way;

j)   Addition of a reference to an information object to said result list, if at least one unidirectional connection exists;

k)   Creation and output of a result file, which substantially contains all said elements of said result list.

24.   (previously presented)The procedure according to claim 1, wherein

at least one information object can include at least one information element, whereby said information element can represent at least one information object.

25.   (previously presented)The procedure according to claim 11, wherein

said data connection is taken from a group of data connections containing data connections via telephone lines, radio, network, internet, cable, and virtual data connections.

26.   (previously presented)The procedure according to claim 25, wherein

a connection protocol is used for controlling said data connection, wherein said connection protocol is taken from a group of connection protocols containing serial connections and connection protocols such as TCP/IP, UUCP, UDP, NETBIOS, NETBEUI.

27.   (previously presented)The procedure according to claim 1, wherein

at least one protocol is used with said connection protocol, that contains interface protocols and service protocols such as http, ftp, ntp, smtp, pop, imap, OLE, ActiveX,

COM, DCOM, RMI, ODBC, JINI, STEP, DTD, SQL, ADO, as well as standardizations according to CORBA.

28.   (previously presented) The procedure according to claim 1, wherein

said data object is stored in said data sphere or in a database.

29.   (previously presented) The procedure according to claim 23, wherein

for at least three virtual dimensions a virtual connection space is provided.

30.   (previously presented) The procedure according to claim 1, wherein

at least one connection data contains a parameter relating to a connection intensity.

31.   (canceled)

32.   (canceled)

33.   (new)   A procedure for processing data objects with:

a data space, in which data objects are arranged;

a multi-dimensional information space that has at least two virtual dimensions and preferably also at least one third virtual dimension;

whereby said information space has in at least one dimension a large amount of discrete memory locations suitable to represent information objects;

whereby each of said information objects represent at least one information base-object and whereby each information base-object comprises at least the following properties:

at least one pointer data that is characteristic for the position of at least one data object in the data space; and

at least one property data for at least one virtual dimension of said information space;

wherein at least one set of instructions is provided with at least one instruction for the processing of said data object;

wherein at least one computing device controlled by at least one processor is provided, with which said information object in said information space is identifiable, and by which the processing of said data object in accordance with said instruction set can be caused;

wherein said procedure can be influenced by transferring at least one control vector comprising at least one address vector, whereby said address vector is characteristic for a position of one instruction set; and

wherein, upon transfer of a control vector and a data object, the following procedural steps are executed for the creation of an information object:

a)   Separating said control vector into at least an address vector and at least an instruction vector in a separating device;

b)   Call-up of an instruction set that is characterized by said instruction vector;

c)   Derivation of a property vector for said data object with said processor device;

d)   Saving said data object in said data space and derivation of a pointer data;

e)   Generation of an information object from said pointer and said property vector with said processor device;

f)   Saving said information object in said information space.

34.   (new) The procedure according to claim 33, wherein,

at least one virtual dimension is hierarchically structured, whereby a position of an information object within the hierarchy is preferably defined by said property data of said information object.

35.   (new) The procedure according to claim 33, wherein

said information base object has at least one property data for substantially every virtual dimension, whereby for several virtual dimensions said property data can be represented as a property vector.

36.   (new) The procedure according to claim 33, wherein

said instruction set, of which there is at least one, is taken from a group of instruction sets, which comprise base, organization, request, creation, modification, searching, playback, representation, printing, generating, execution, control, interaction, calculation, evaluation, regulation, play instruction sets.

37.   (new) The procedure according to claim 33, wherein

said control vector comprises at least one instruction vector that is characteristic for at least one predefined instruction set.

38. (new) The procedure according to claim 33, wherein

said control vector comprises at least one property vector, which characterizes at least one part of said information space.

39. (new) The procedure according to claim 33, wherein

upon transfer of a control vector the following procedural steps are executed for locating an information object

a) Separating said control vector into at least an address vector, at least an instruction vector and at least a property vector in a separating device;

b) Generation of a processing vector with predefined property data for substantially every virtual dimension in said processor device;

c) Separating said property vector in said processor device into said property data for said virtual dimensions, contained in said property vector, and overwriting said property data of said processing vector with said the property data of said property vector;

d) Generation of an empty result list;

e) Execution of a search for information objects in said information space, which substantially have corresponding property vectors by comparing for substantially every virtual dimension said property data with said property data in said processing vector;

f) Addition of a reference to an information object to said result list, if substantially all said property data substantially correspond;

g) Generation and output of a result file substantially containing all elements of said result list.

40. (new) The procedure according to claim 33, wherein

said procedure is executed on a first computing device, whereby a user can control said process from a second computing device that is connected with said first computing device via at least one data connection.

41. (new) The procedure according to claim 33, wherein

said information space contains at least one virtual type dimension, whereby at least one type data about a type of corresponding data object is contained in said virtual type dimension for substantially every information object.

42. (new) The procedure according to claim 33, wherein

for at least one information object at least one type data is derived from said pointer data of said data object, whereby in a separating device said pointer data of said data object is separated into name elements and said at least one type data is derived from at least one characteristic name element.

43. (new) The procedure according to claim 33, wherein

for at least one information object at least one type data is derived from at least one part of the contents of said data object, whereby in said separating device at least a part of said contents of said data object is separated into content elements and said at least one type data is derived from at least one characteristic content element.

44. (new) The procedure according to claim 33, wherein

at least one information object contains at least one further object data taken from a group of object data, which contains at least one data of time, generation, time interval, validity, frequency, owner, group, access right, read right, write right, modification right, execution data.

45. (new) The procedure according to claim 33, wherein

said object type of said data object is taken from a group of object types containing various known data formats types of text files, picture files, graphic files, spreadsheet files, CAD files, program files, audio files, video files.

46. (new) The procedure according to claim 33, wherein

for at least one information object at least one description field is provided that is accessible via said information object, whereby said description field serves for receiving at least one characterizing data of said information object.

47. (new) The procedure according to claim 33, wherein

an information object can have at least one connection to at least one further information object, thus enabling a navigation between connected information objects.

48. (new) The procedure according to claim 33, wherein

for at least one information object, a content of at least one description field of said information object is separated in a separating device into at least one characteristic data, and at least one characteristic content data is defined.

49. (new) The procedure according to claim 33, wherein

at least one first characteristic content data of an information object is compared, in a comparison device, with at least one second characteristic content data of at least one other information object, whereby on match of said first and second characteristic content data a connection of said information object to said other information object is generated.

50. (new) The procedure according to claim 33, wherein

at least one virtual connection space is provided with at least two connection dimensions containing discrete memory locations, whereby said memory locations are created in such a way that said memory locations contain at least one connection data for characterizing at least unidirectional relationships between different information objects.

51. (new) The procedure according to claim 50, wherein

said at least one virtual connection space has at least a two-dimensional connection table, whereby within at least one part of the rows, every row represents a different information object, and whereby, within at least one part of said columns, every column represents a different information object.

52. (new) The procedure according to claim 33, wherein

upon transfer of a control vector said following procedural steps for navigation in said information system are executed:

    a) Separating said control vector into at least an address vector and at least an instruction vector in a separating device;

    b) Derivation of a property vector from said control vector;

    c) Generation of a processing vector with predefined property data for substantially every virtual dimension in said processor device;

    d) Separating of said property vector in said processor device into said property data for said virtual dimensions, contained in said property vector, and overwriting said property data of said processing vector with said property data of said property vector;

    e) Generation of an empty search list;

f)   Execution of a search for information objects in said information space, which substantially have corresponding property vectors, in which for substantially every virtual dimension said property data are compared to said property data in said processing vector;

g)   Addition of a reference to an information object to said search list, if substantially all said property data substantially match;

h)   Generation of an empty result list;

i)   Execution of a search for substantially every element of said search list according to information objects in said connection space, which is connected with said information object, that is represented by said element, in at least a unidirectional way;

j)   Addition of a reference to an information object to said result list, if at least one unidirectional connection exists;

k)   Creation and output of a result file, which substantially contains all said elements of said result list.

53.   (new) The procedure according to claim 33, wherein

at least one information object can include at least one information element, whereby said information element can represent at least one information object.

54.   (new) The procedure according to claim 40, wherein

said data connection is taken from a group of data connections containing data connections via telephone lines, radio, network, internet, cable, and virtual data connections.

55.   (new) The procedure according to claim 54, wherein

a connection protocol is used for controlling said data connection, wherein said connection protocol is taken from a group of connection protocols containing serial connections and connection protocols such as TCP/IP, UUCP, UDP, NETBIOS, NETBEUI.

56.   (new) The procedure according to claim 33, wherein

at least one protocol is used with said connection protocol, that contains interface protocols and service protocols such as http, ftp, ntp, smtp, pop, imap, OLE, ActiveX,

COM, DCOM, RMI, ODBC, JINI, STEP, DTD, SQL, ADO, as well as standardizations according to CORBA.

57.   (new)   The procedure according to claim 33, wherein

said data object is stored in said data sphere or in a database.

58.   (new)   The procedure according to claim 52, wherein

for at least three virtual dimensions a virtual connection space is provided.

59.   (new)   The procedure according to claim 33, wherein

at least one connection data contains a parameter relating to a connection intensity.

60.   (new)   A procedure for processing data objects with:

a data space, in which data objects are arranged;

a multi-dimensional information space that has at least two virtual dimensions and preferably also at least one third virtual dimension;

whereby said information space has in at least one dimension a large amount of discrete memory locations suitable to represent information objects;

whereby each of said information objects represent at least one information base-object and whereby each information base-object comprises at least the following properties:

at least one pointer data that is characteristic for the position of at least one data object in the data space; and

at least one property data for at least one virtual dimension of said information space;

wherein at least one set of instructions is provided with at least one instruction for the processing of said data object;

wherein at least one computing device controlled by at least one processor is provided, with which said information object in said information space is identifiable, and by which the processing of said data object in accordance with said instruction set can be caused;

wherein said procedure can be influenced by transferring at least one control vector comprising at least one address vector, whereby said address vector is characteristic for a position of one instruction set; and

wherein, upon transfer of a control vector, the following procedural steps are executed for locating an information object

a)　　Separating said control vector into at least an address vector, at least an instruction vector and at least a property vector in a separating device;

b)　　Generation of a processing vector with predefined property data for substantially every virtual dimension in said processor device;

c)　　Separating said property vector in said processor device into said property data for said virtual dimensions, contained in said property vector, and overwriting said property data of said processing vector with said the property data of said property vector;

d)　　Generation of an empty result list;

e)　　Execution of a search for information objects in said information space, which substantially have corresponding property vectors by comparing for substantially every virtual dimension said property data with said property data in said processing vector;

f)　　Addition of a reference to an information object to said result list, if substantially all said property data substantially correspond; and

g)　　Generation and output of a result file substantially containing all elements of said result list.

61.　(new)　The procedure according to claim 60, wherein,

at least one virtual dimension is hierarchically structured, whereby a position of an information object within the hierarchy is preferably defined by said property data of said information object.

62.　(new)　The procedure according to claim 60, wherein

said information base object has at least one property data for substantially every virtual dimension, whereby for several virtual dimensions said property data can be represented as a property vector.

63.　(new)　The procedure according to claim 60, wherein

said instruction set, of which there is at least one, is taken from a group of instruction sets, which comprise base, organization, request, creation, modification,

searching, playback, representation, printing, generating, execution, control, interaction, calculation, evaluation, regulation, play instruction sets.

64.   (new) The procedure according to claim 60, wherein

said control vector comprises at least one instruction vector that is characteristic for at least one predefined instruction set.

65.   (new) The procedure according to claim 60, wherein

said control vector comprises at least one property vector, which characterizes at least one part of said information space.

66.   (new) The procedure according to claim 60, wherein

said procedure is executed on a first computing device, whereby a user can control said process from a second computing device that is connected with said first computing device via at least one data connection.

67.   (new) The procedure according to claim 60, wherein

said information space contains at least one virtual type dimension, whereby at least one type data about a type of corresponding data object is contained in said virtual type dimension for substantially every information object.

68.   (new) The procedure according to claim 60, wherein

for at least one information object at least one type data is derived from said pointer data of said data object, whereby in a separating device said pointer data of said data object is separated into name elements and said at least one type data is derived from at least one characteristic name element.

69.   (new) The procedure according to claim 60, wherein

for at least one information object at least one type data is derived from at least one part of the contents of said data object, whereby in said separating device at least a part of said contents of said data object is separated into content elements and said at least one type data is derived from at least one characteristic content element.

70.   (new) The procedure according to claim 60, wherein

at least one information object contains at least one further object data taken from a group of object data, which contains at least one data of time, generation, time interval, validity, frequency, owner, group, access right, read right, write right, modification right, execution data.

71. (new) The procedure according to claim 60, wherein

said object type of said data object is taken from a group of object types containing various known data formats types of text files, picture files, graphic files, spreadsheet files, CAD files, program files, audio files, video files.

72. (new) The procedure according to claim 60, wherein

for at least one information object at least one description field is provided that is accessible via said information object, whereby said description field serves for receiving at least one characterizing data of said information object.

73. (new) The procedure according to claim 60, wherein

an information object can have at least one connection to at least one further information object, thus enabling a navigation between connected information objects.

74. (new) The procedure according to claim 60, wherein

for at least one information object, a content of at least one description field of said information object is separated in a separating device into at least one characteristic data, and at least one characteristic content data is defined.

75. (new) The procedure according to claim 60, wherein

at least one first characteristic content data of an information object is compared, in a comparison device, with at least one second characteristic content data of at least one other information object, whereby on match of said first and second characteristic content data a connection of said information object to said other information object is generated.

76. (new) The procedure according to claim 60, wherein

at least one virtual connection space is provided with at least two connection dimensions containing discrete memory locations, whereby said memory locations are created in such a way that said memory locations contain at least one connection data for characterizing at least unidirectional relationships between different information objects.

77. (new) The procedure according to claim 76, wherein

said at least one virtual connection space has at least a two-dimensional connection table, whereby within at least one part of the rows, every row represents a different information object, and whereby, within at least one part of said columns, every column represents a different information object.

78. (new) The procedure according to claim 60, wherein

upon transfer of a control vector said following procedural steps for navigation in said information system are executed:

a) Separating said control vector into at least an address vector and at least an instruction vector in a separating device;

b) Derivation of a property vector from said control vector;

c) Generation of a processing vector with predefined property data for substantially every virtual dimension in said processor device;

d) Separating of said property vector in said processor device into said property data for said virtual dimensions, contained in said property vector, and overwriting said property data of said processing vector with said property data of said property vector;

e) Generation of an empty search list;

f) Execution of a search for information objects in said information space, which substantially have corresponding property vectors, in which for substantially every virtual dimension said property data are compared to said property data in said processing vector;

g) Addition of a reference to an information object to said search list, if substantially all said property data substantially match;

h) Generation of an empty result list;

i) Execution of a search for substantially every element of said search list according to information objects in said connection space, which is connected with said information object, that is represented by said element, in at least a unidirectional way;

j) Addition of a reference to an information object to said result list, if at least one unidirectional connection exists;

k) Creation and output of a result file, which substantially contains all said elements of said result list.

79. (new) The procedure according to claim 60, wherein

at least one information object can include at least one information element, whereby said information element can represent at least one information object.

80. (new) The procedure according to claim 66, wherein

said data connection is taken from a group of data connections containing data connections via telephone lines, radio, network, internet, cable, and virtual data connections.

81.   (new) The procedure according to claim 80, wherein

a connection protocol is used for controlling said data connection, wherein said connection protocol is taken from a group of connection protocols containing serial connections and connection protocols such as TCP/IP, UUCP, UDP, NETBIOS, NETBEUI.

82.   (new) The procedure according to claim 60, wherein

at least one protocol is used with said connection protocol, that contains interface protocols and service protocols such as http, ftp, ntp, smtp, pop, imap, OLE, ActiveX, COM, DCOM, RMI, ODBC, JINI, STEP, DTD, SQL, ADO, as well as standardizations according to CORBA.

83.   (new) The procedure according to claim 60, wherein

said data object is stored in said data sphere or in a database.

84.   (new) The procedure according to claim 78, wherein

for at least three virtual dimensions a virtual connection space is provided.

85.   (new) The procedure according to claim 60, wherein

at least one connection data contains a parameter relating to a connection intensity.

86.   (new) A procedure for processing data objects with:

a data space, in which data objects are arranged;

a multi-dimensional information space that has at least two virtual dimensions and preferably also at least one third virtual dimension;

whereby said information space has in at least one dimension a large amount of discrete memory locations suitable to represent information objects;

whereby each of said information objects represent at least one information base-object and whereby each information base-object comprises at least the following properties:

at least one pointer data that is characteristic for the position of at least one data object in the data space; and

at least one property data for at least one virtual dimension of said information space;

wherein at least one set of instructions is provided with at least one instruction for the processing of said data object;

wherein at least one computing device controlled by at least one processor is provided, with which said information object in said information space is identifiable, and by which the processing of said data object in accordance with said instruction set can be caused;

wherein said procedure can be influenced by transferring at least one control vector comprising at least one address vector, whereby said address vector is characteristic for a position of one instruction set; and

wherein, upon transfer of a control vector, said following procedural steps for navigation in said information system are executed:

a) Separating said control vector into at least an address vector and at least an instruction vector in a separating device;

b) Derivation of a property vector from said control vector;

c) Generation of a processing vector with predefined property data for substantially every virtual dimension in said processor device;

d) Separating of said property vector in said processor device into said property data for said virtual dimensions, contained in said property vector, and overwriting said property data of said processing vector with said property data of said property vector;

e) Generation of an empty search list;

f) Execution of a search for information objects in said information space, which substantially have corresponding property vectors, in which for substantially every virtual dimension said property data are compared to said property data in said processing vector;

g) Addition of a reference to an information object to said search list, if substantially all said property data substantially match;

h) Generation of an empty result list;

       i)   Execution of a search for substantially every element of said search list according to information objects in said connection space, which is connected with said information object, that is represented by said element, in at least a unidirectional way;

       j)   Addition of a reference to an information object to said result list, if at least one unidirectional connection exists; and

       k)   Creation and output of a result file, which substantially contains all said elements of said result list.

87.   (new) The procedure according to claim 86, wherein,

at least one virtual dimension is hierarchically structured, whereby a position of an information object within the hierarchy is preferably defined by said property data of said information object.

88.   (new) The procedure according to claim 86, wherein

said information base object has at least one property data for substantially every virtual dimension, whereby for several virtual dimensions said property data can be represented as a property vector.

89.   (new) The procedure according to claim 86, wherein

said instruction set, of which there is at least one, is taken from a group of instruction sets, which comprise base, organization, request, creation, modification, searching, playback, representation, printing, generating, execution, control, interaction, calculation, evaluation, regulation, play instruction sets.

90.   (new) The procedure according to claim 86, wherein

said control vector comprises at least one instruction vector that is characteristic for at least one predefined instruction set.

91.   (new) The procedure according to claim 86, wherein

said control vector comprises at least one property vector, which characterizes at least one part of said information space.

92.   (new) The procedure according to claim 86, wherein

said procedure is executed on a first computing device, whereby a user can control said process from a second computing device that is connected with said first computing device via at least one data connection.

93.   (new) The procedure according to claim 86, wherein

said information space contains at least one virtual type dimension, whereby at least one type data about a type of corresponding data object is contained in said virtual type dimension for substantially every information object.

94.   (new) The procedure according to claim 86, wherein

for at least one information object at least one type data is derived from said pointer data of said data object, whereby in a separating device said pointer data of said data object is separated into name elements and said at least one type data is derived from at least one characteristic name element.

95.   (new) The procedure according to claim 86, wherein

for at least one information object at least one type data is derived from at least one part of the contents of said data object, whereby in said separating device at least a part of said contents of said data object is separated into content elements and said at least one type data is derived from at least one characteristic content element.

96.   (new) The procedure according to claim 86, wherein

at least one information object contains at least one further object data taken from a group of object data, which contains at least one data of time, generation, time interval, validity, frequency, owner, group, access right, read right, write right, modification right, execution data.

97.   (new) The procedure according to claim 86, wherein

said object type of said data object is taken from a group of object types containing various known data formats types of text files, picture files, graphic files, spreadsheet files, CAD files, program files, audio files, video files.

98.   (new) The procedure according to claim 86, wherein

for at least one information object at least one description field is provided that is accessible via said information object, whereby said description field serves for receiving at least one characterizing data of said information object.

99.   (new) The procedure according to claim 86, wherein

an information object can have at least one connection to at least one further information object, thus enabling a navigation between connected information objects.

100.   (new) The procedure according to claim 86, wherein

for at least one information object, a content of at least one description field of said information object is separated in a separating device into at least one characteristic data, and at least one characteristic content data is defined.

101. (new) The procedure according to claim 86, wherein

at least one first characteristic content data of an information object is compared, in a comparison device, with at least one second characteristic content data of at least one other information object, whereby on match of said first and second characteristic content data a connection of said information object to said other information object is generated.

102. (new) The procedure according to claim 86, wherein

at least one virtual connection space is provided with at least two connection dimensions containing discrete memory locations, whereby said memory locations are created in such a way that said memory locations contain at least one connection data for characterizing at least unidirectional relationships between different information objects.

103. (new) The procedure according to claim 102, wherein

said at least one virtual connection space has at least a two-dimensional connection table, whereby within at least one part of the rows, every row represents a different information object, and whereby, within at least one part of said columns, every column represents a different information object.

104. (new) The procedure according to claim 86, wherein

at least one information object can include at least one information element, whereby said information element can represent at least one information object.

105. (new) The procedure according to claim 92, wherein

said data connection is taken from a group of data connections containing data connections via telephone lines, radio, network, internet, cable, and virtual data connections.

106. (new) The procedure according to claim 105, wherein

a connection protocol is used for controlling said data connection, wherein said connection protocol is taken from a group of connection protocols containing serial connections and connection protocols such as TCP/IP, UUCP, UDP, NETBIOS, NETBEUI.

107. (new) The procedure according to claim 86, wherein

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at least one protocol is used with said connection protocol, that contains interface protocols and service protocols such as http, ftp, ntp, smtp, pop, imap, OLE, ActiveX, COM, DCOM, RMI, ODBC, JINI, STEP, DTD, SQL, ADO, as well as standardizations according to CORBA.

108.   (new) The procedure according to claim 86, wherein

said data object is stored in said data sphere or in a database.

109.   (new) The procedure according to claim 86, wherein

for at least three virtual dimensions a virtual connection space is provided.

110.   (new) The procedure according to claim 86, wherein

at least one connection data contains a parameter relating to a connection intensity.